

Common Safety Violations



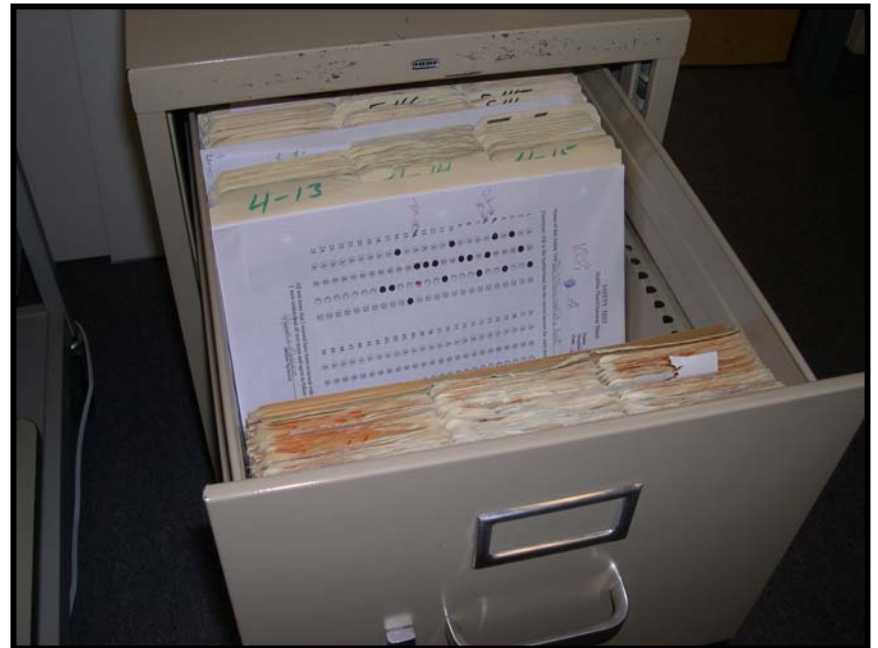
1. Record Keeping

How do you maintain your safety records?

Do they look like this?



Or are they neatly organized and easily accessible?



How long must you maintain a student's safety record?

- “Notice of claim in the State of Utah extends to 1 year following his/her reaching adulthood.”

USOE Safety Program and Management Guide, 2001

Example: For a 12 year old, 7th grade student –
8 years!



2. General Safety

1. What's wrong here?

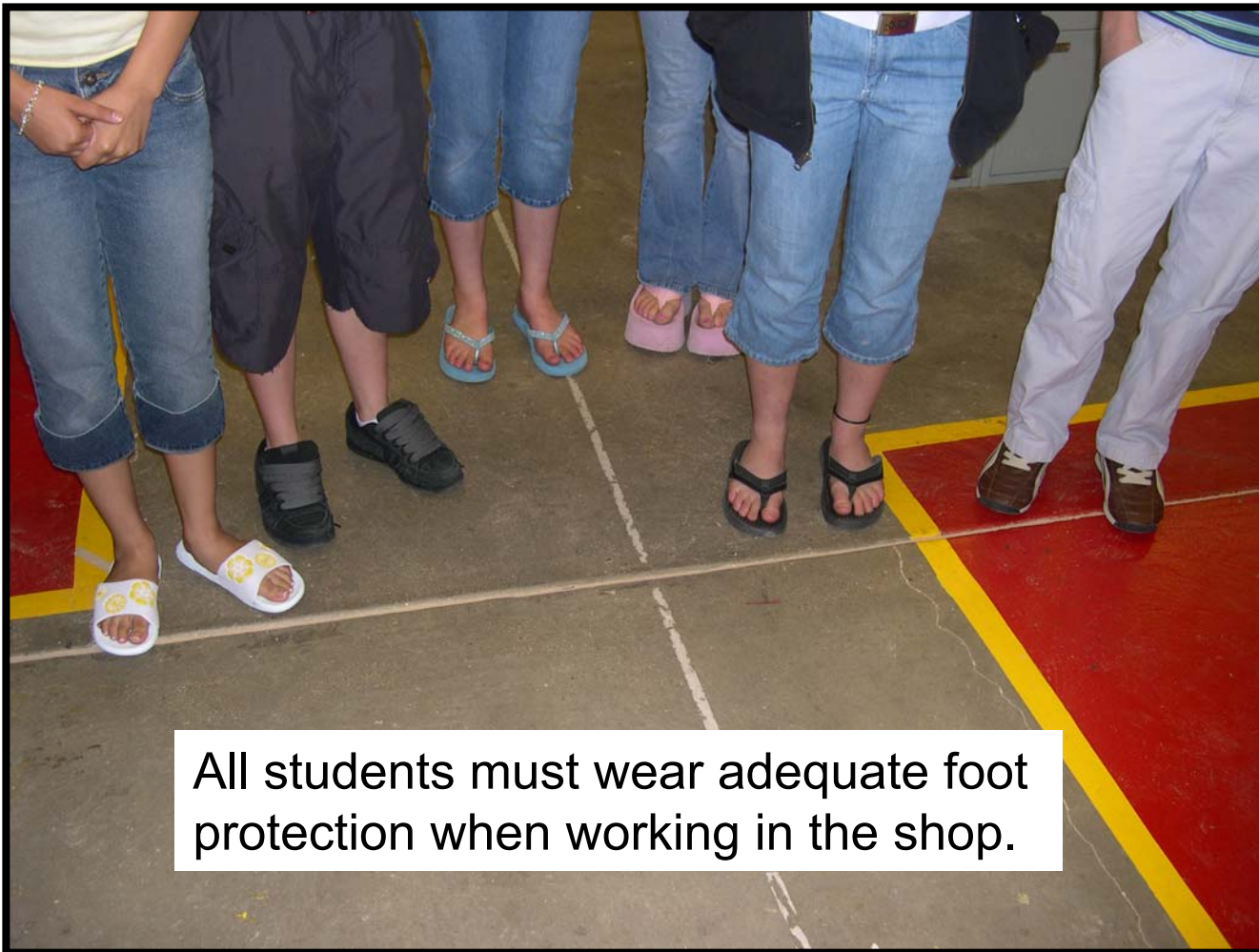


**A student may not work in the shop
unless the instructor is present.
Absolutely no exceptions !!**

2. What's wrong here?



3. What's wrong here?



All students must wear adequate foot protection when working in the shop.

4. What's wrong here?



Don't wear a necklace or other jewelry when operating a machine.

5. What's wrong here?



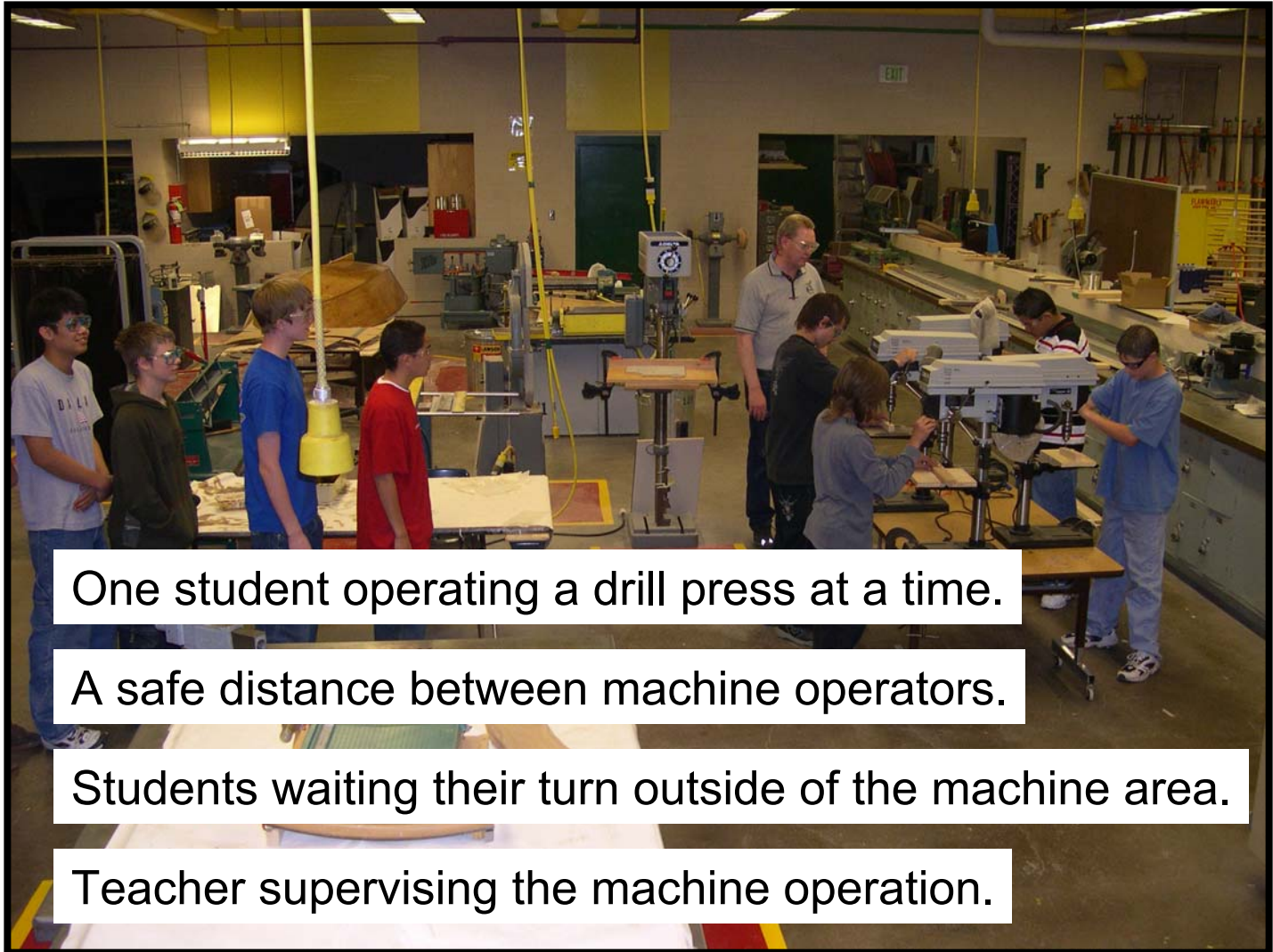
Long hair should be pulled back when operating a machine.

6. What's wrong here?



Only 1 person is allowed in a machine safety zone.

There's a safer way!



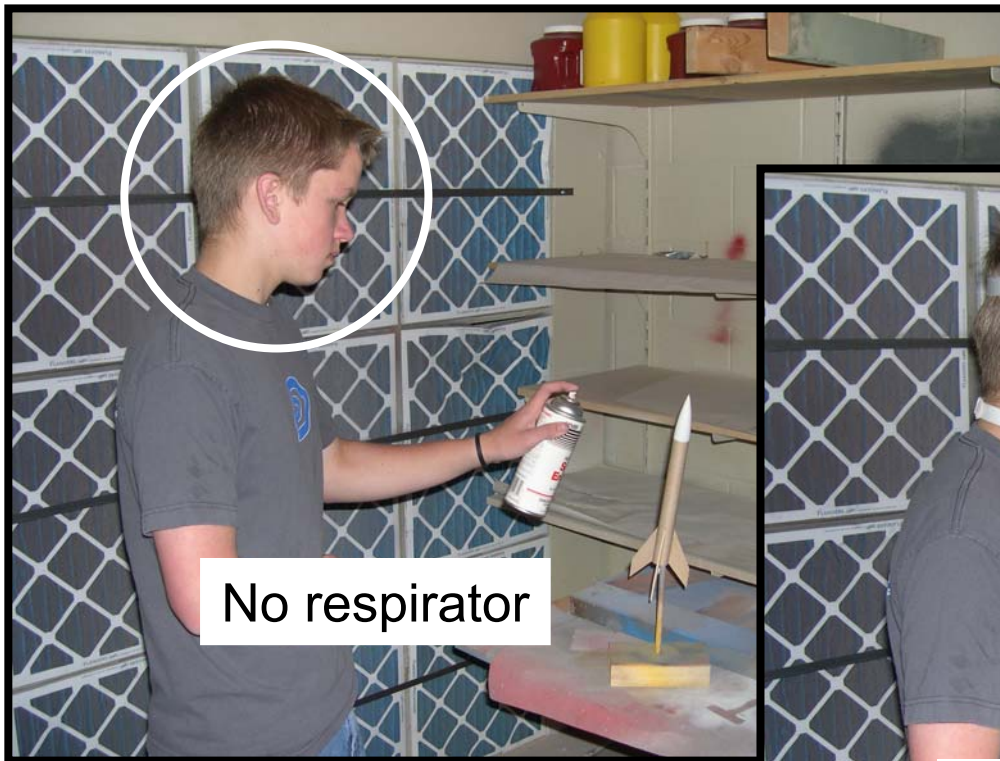
One student operating a drill press at a time.

A safe distance between machine operators.

Students waiting their turn outside of the machine area.

Teacher supervising the machine operation.

7. What's wrong here?



No respirator

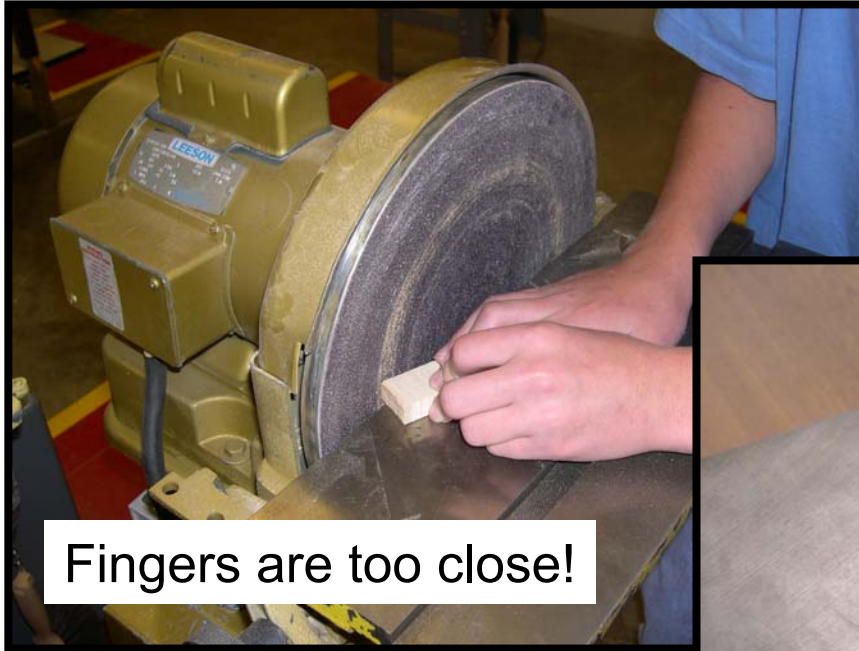


Wear a respirator when spray painting.



Disposable masks should be available to prevent spreading of germs.

8. What's wrong here?

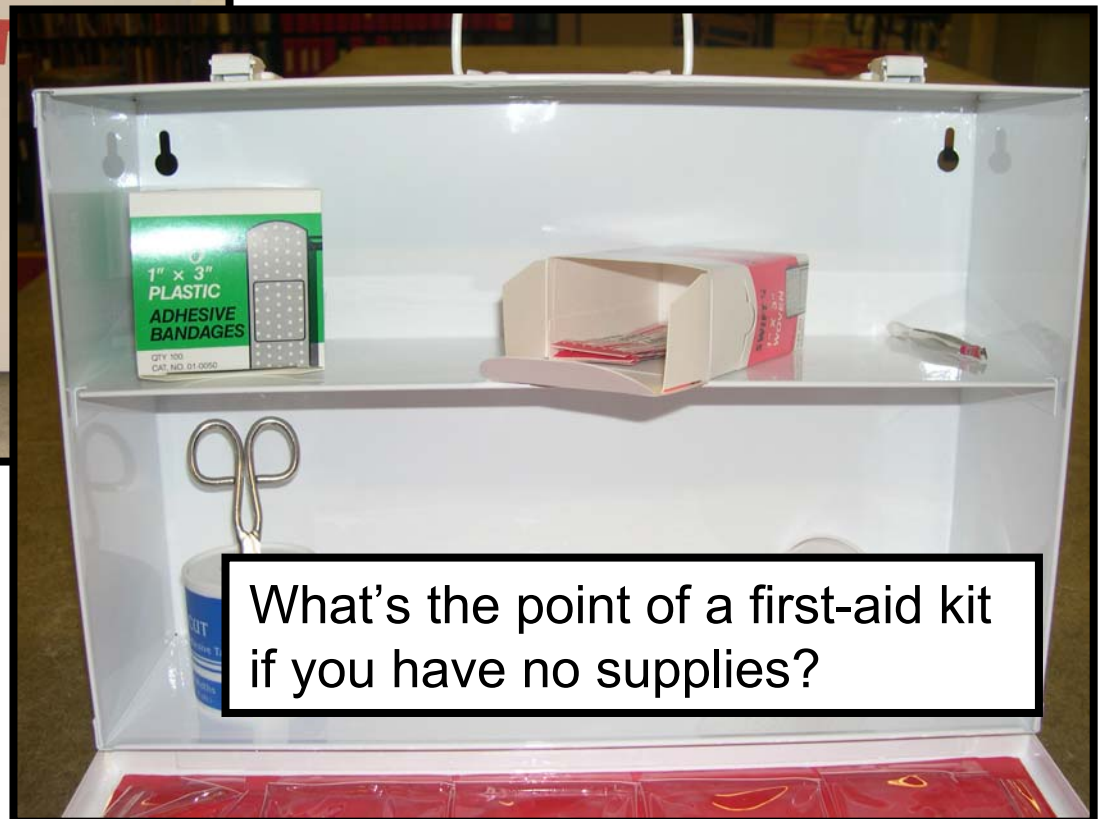


Fingers are too close!



Always maintain a 6" margin of safety!

9. What's wrong here?



What's the point of a first-aid kit if you have no supplies?



3. Drill Press

1. What's wrong here?



Fingers too close. Always maintain a 6" margin of safety.

There's a safer way!



Or...



Drill the hole in a larger board...
And then cut off the smaller piece.

2. What's wrong here?



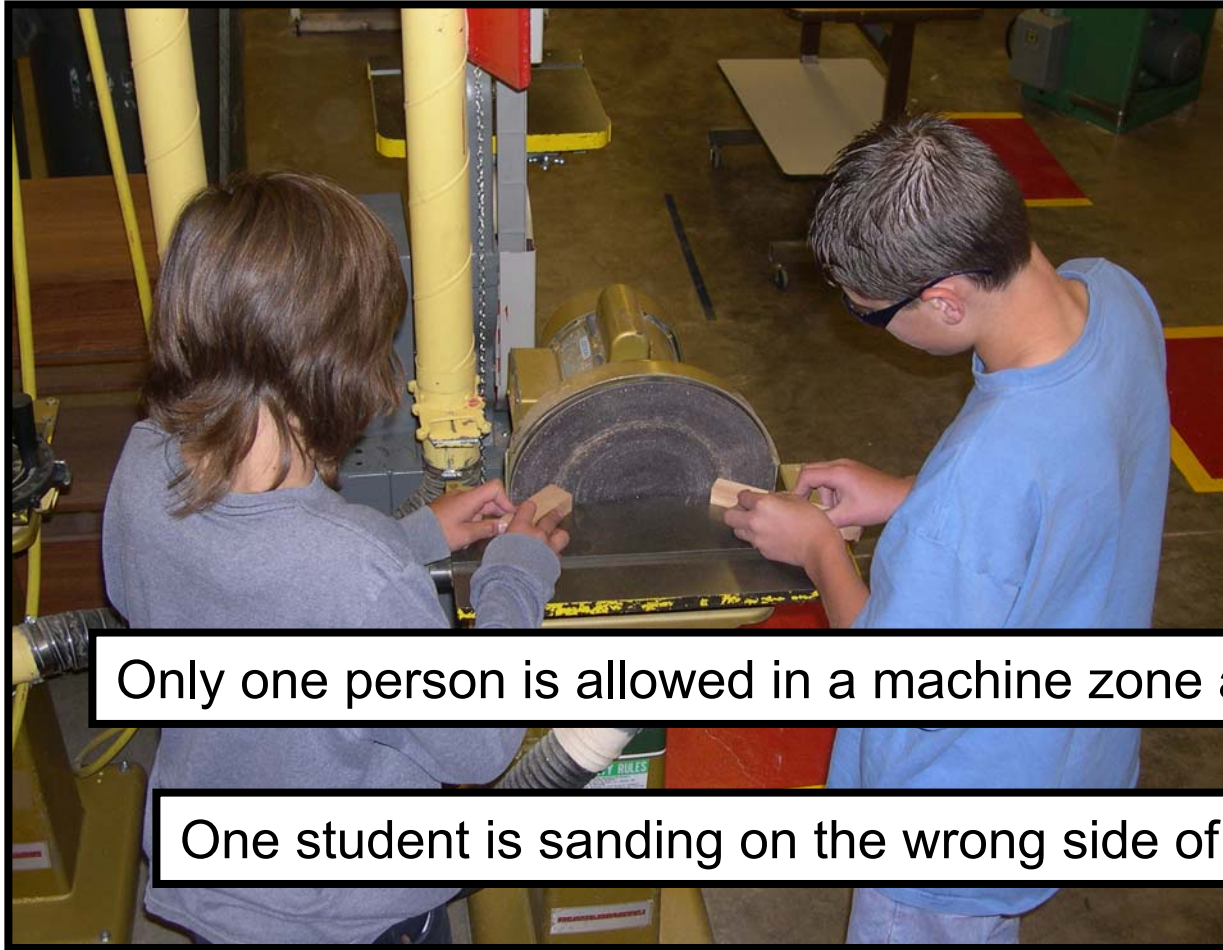


Mount or adjust drill press to an appropriate height.



4. Disk Sander

1. What's wrong here?



Only one person is allowed in a machine zone at a time!

One student is sanding on the wrong side of the disk!

This is wrong!



Always sand on the downward side of the sanding disk.

Please note that not all sanders turn the same direction.
Always sand on the *downward* side.

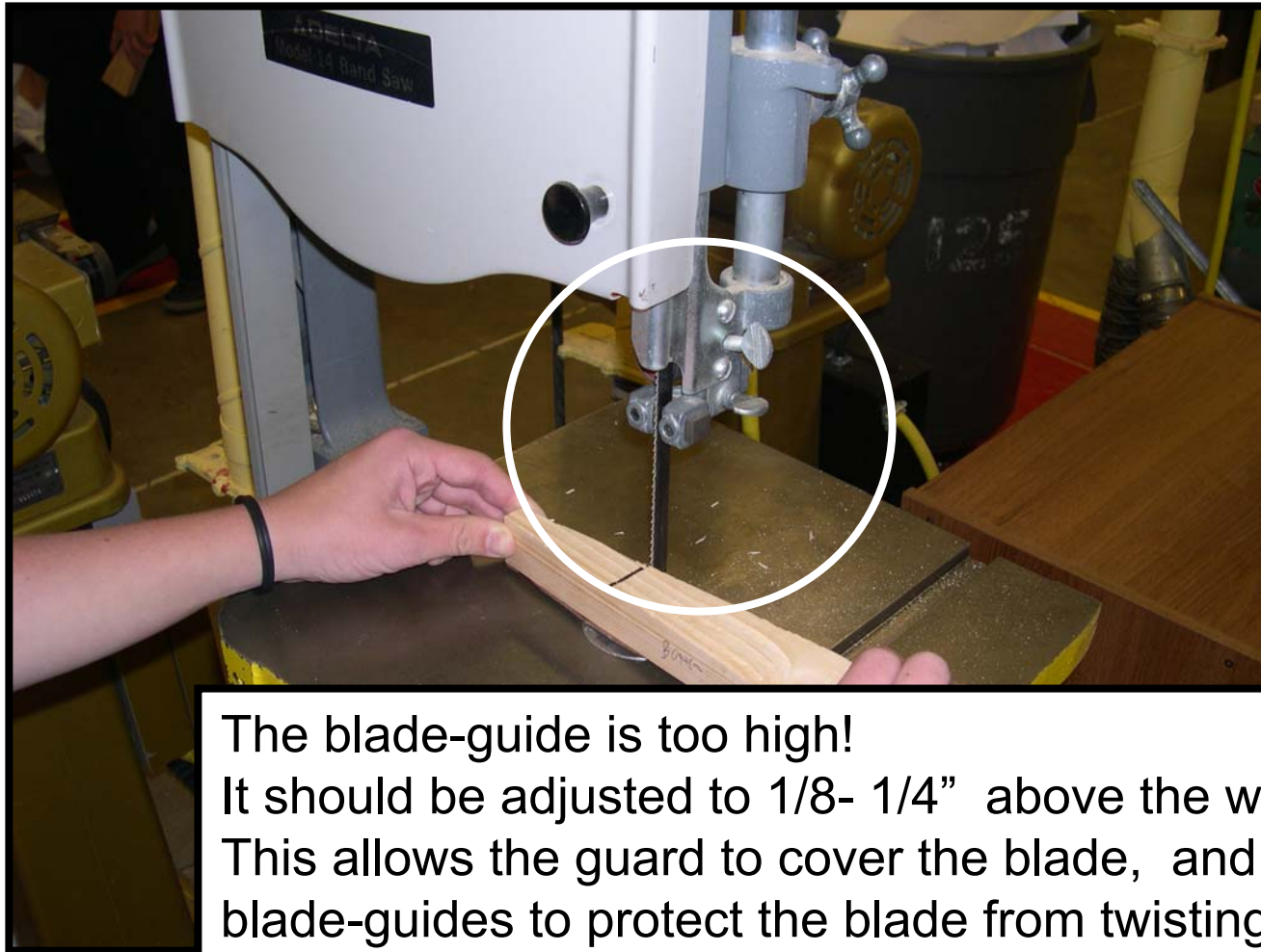
This is correct.





5. Band Saw

1. What's wrong here?



The blade-guide is too high!
It should be adjusted to 1/8- 1/4" above the wood.
This allows the guard to cover the blade, and the blade-guides to protect the blade from twisting.

2. What's wrong here?

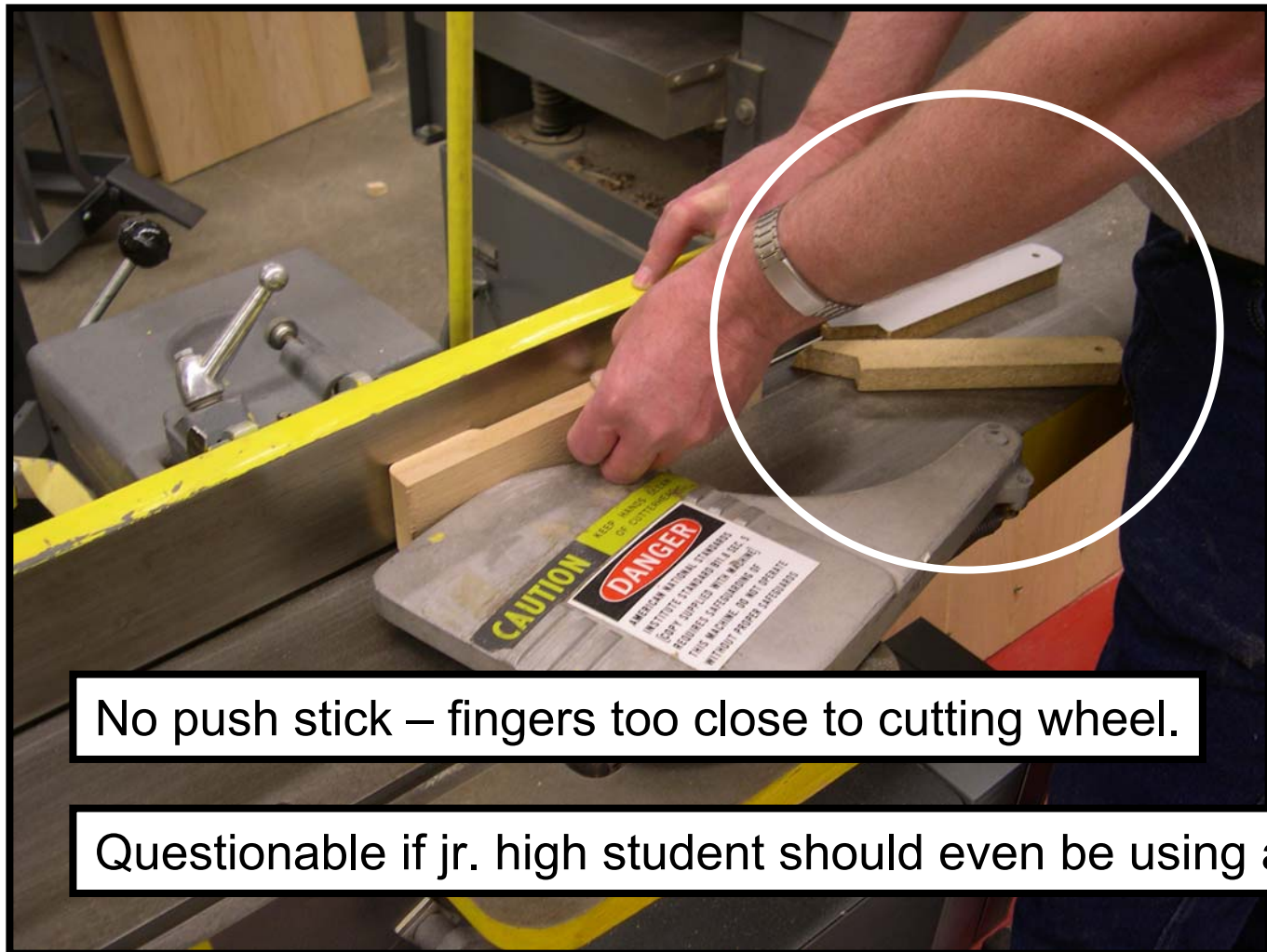






6. Jointer

1. What's wrong here?



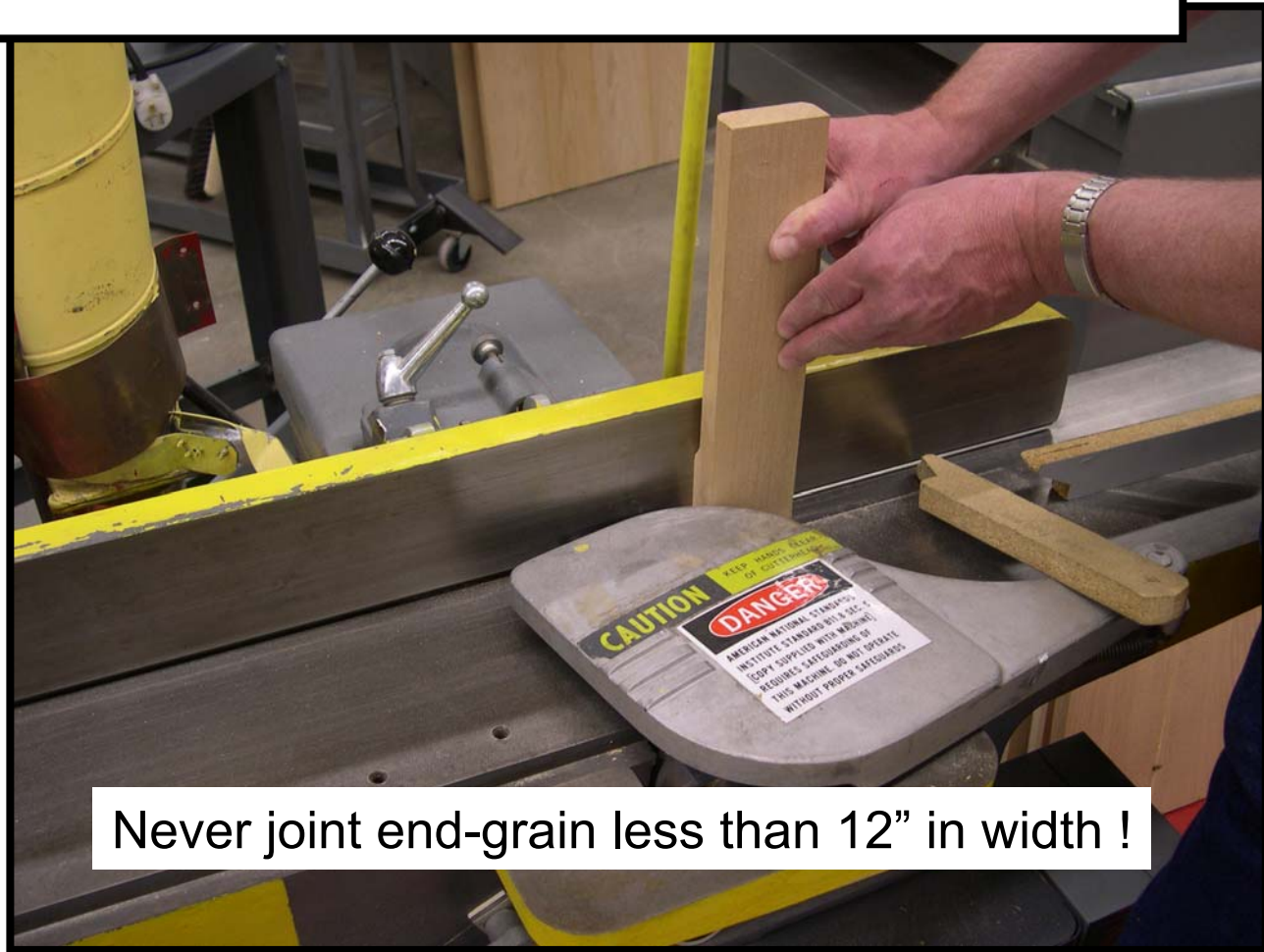
No push stick – fingers too close to cutting wheel.

Questionable if jr. high student should even be using a jointer.

What's wrong here?



EXTREME DANGER !!!



Never joint end-grain less than 12" in width !

There's a safer way



Sand end-grain smooth.



7. Table Saw

1. What's wrong here?



Should a junior high student be allowed to use a table saw?

“At present, there is no policy on what equipment can and cannot be used at the junior high (Technology Education) level as outlined by the USOE. But I have a difficult time endorsing junior high school students (up to grade 8) using a table saw, and in most instances, 9th graders (considered high school). When teachers choose to have [9th grade] students...use a [table saw], it should be under the direct supervision of the teacher and with all manufacture’s guards in place.”

Dave Milliken, USOE Trade & Technical Specialist

Answer: NO

2. What's wrong here?



Never stand directly behind the table saw.
The board could kick-back and injure the student.

3. What's wrong here?



Fingers too close to blade.

Always maintain a 6" margin of safety.

4. What's wrong here?



No guard or splitter.

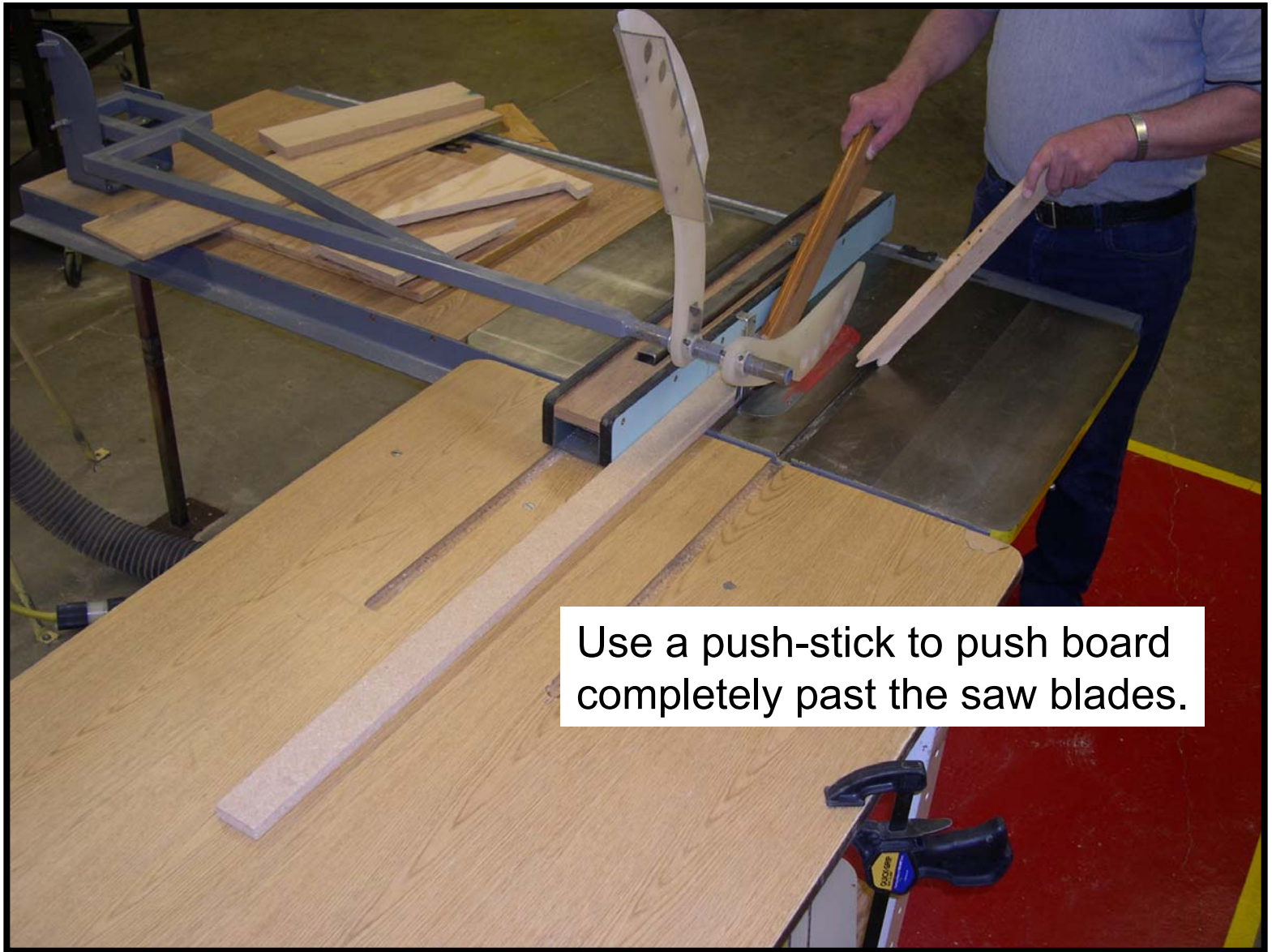
Reaching behind the blade to remove the cut piece

There's a safer way

Blade guard & splitter in place.

Using push sticks for narrow board.





Use a push-stick to push board completely past the saw blades.



8. Nail Guns

1. What's wrong here?



There's a safer way



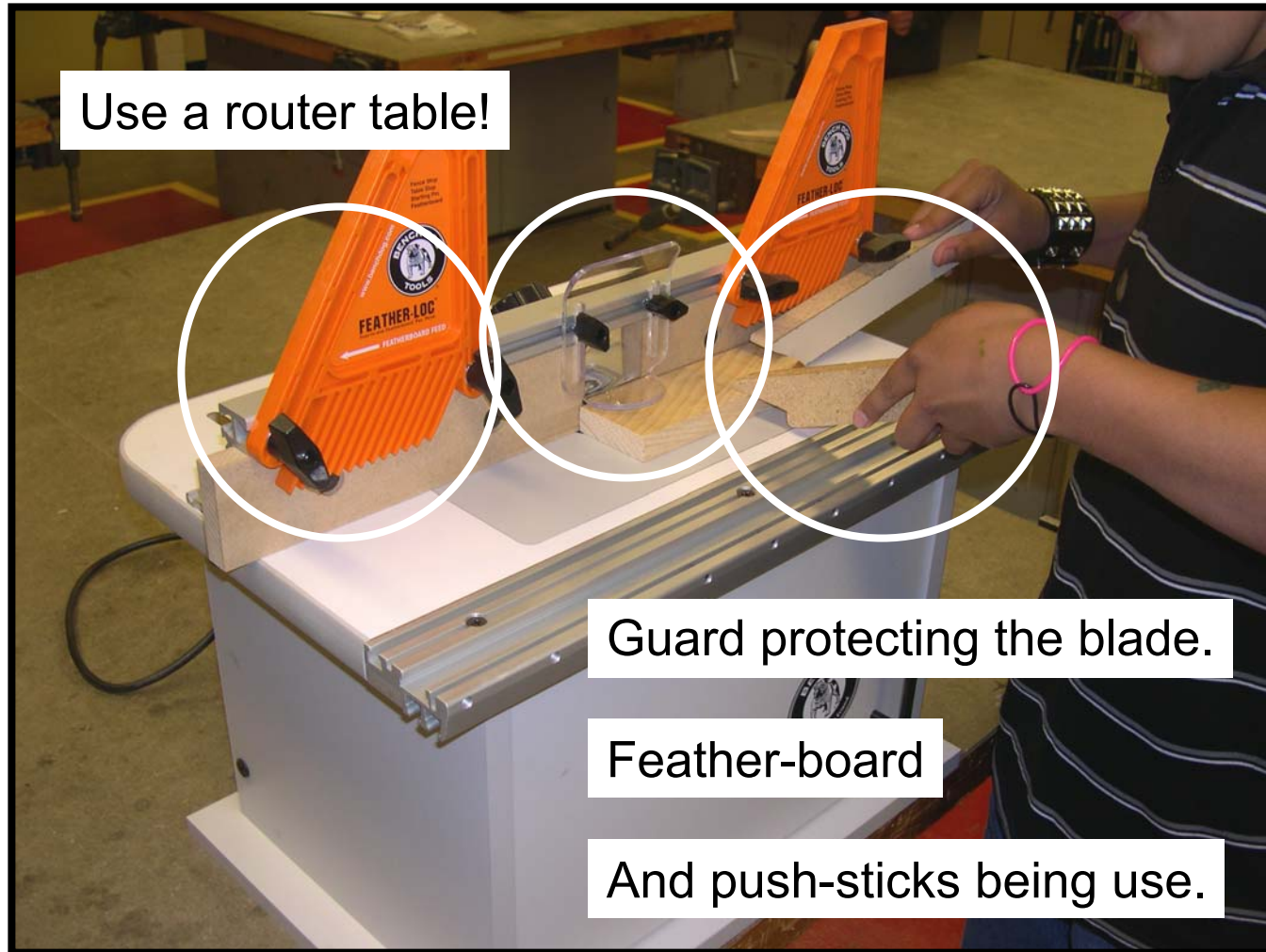


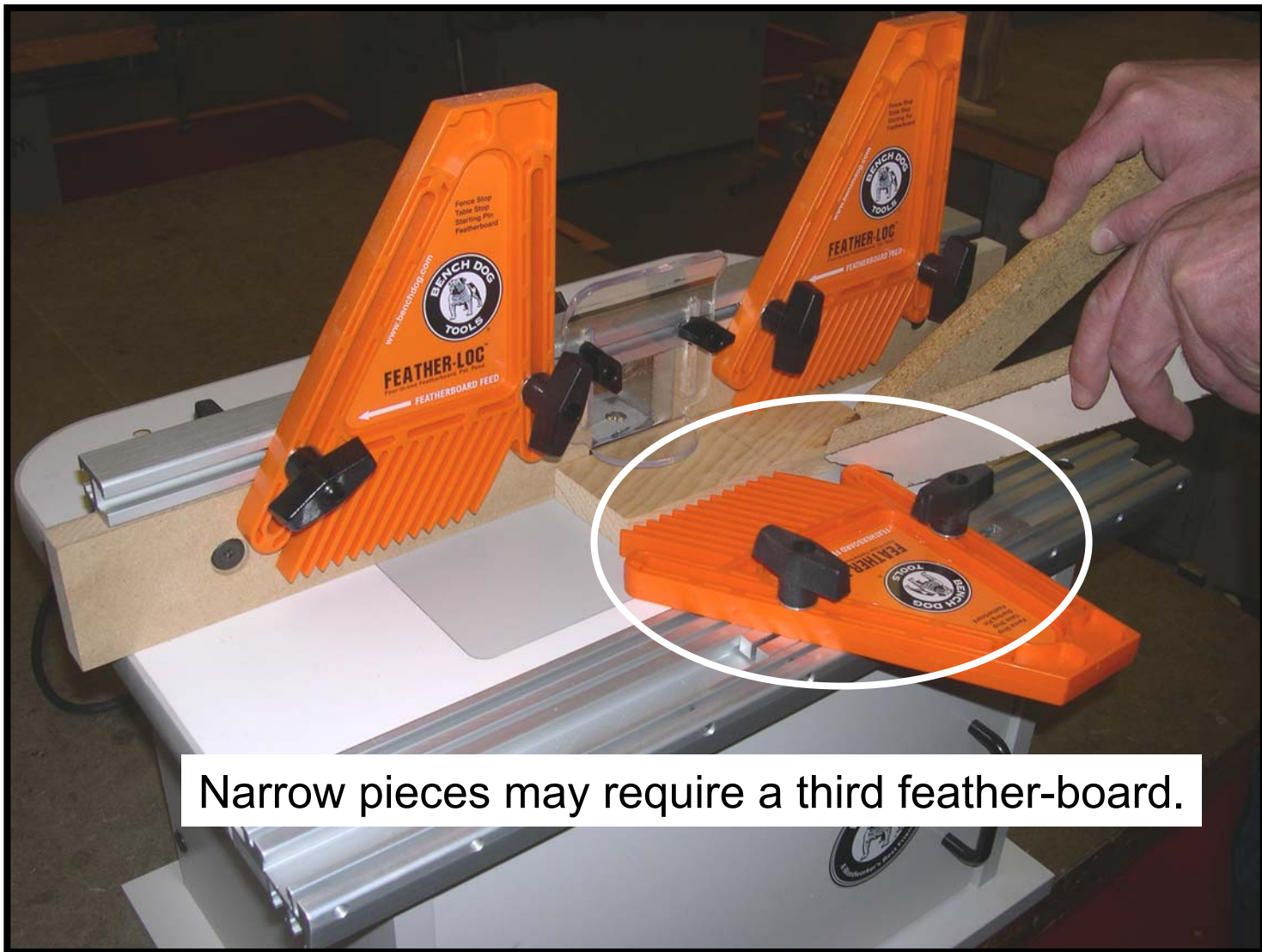
9. Router

1. What's wrong here?



There's a safer way



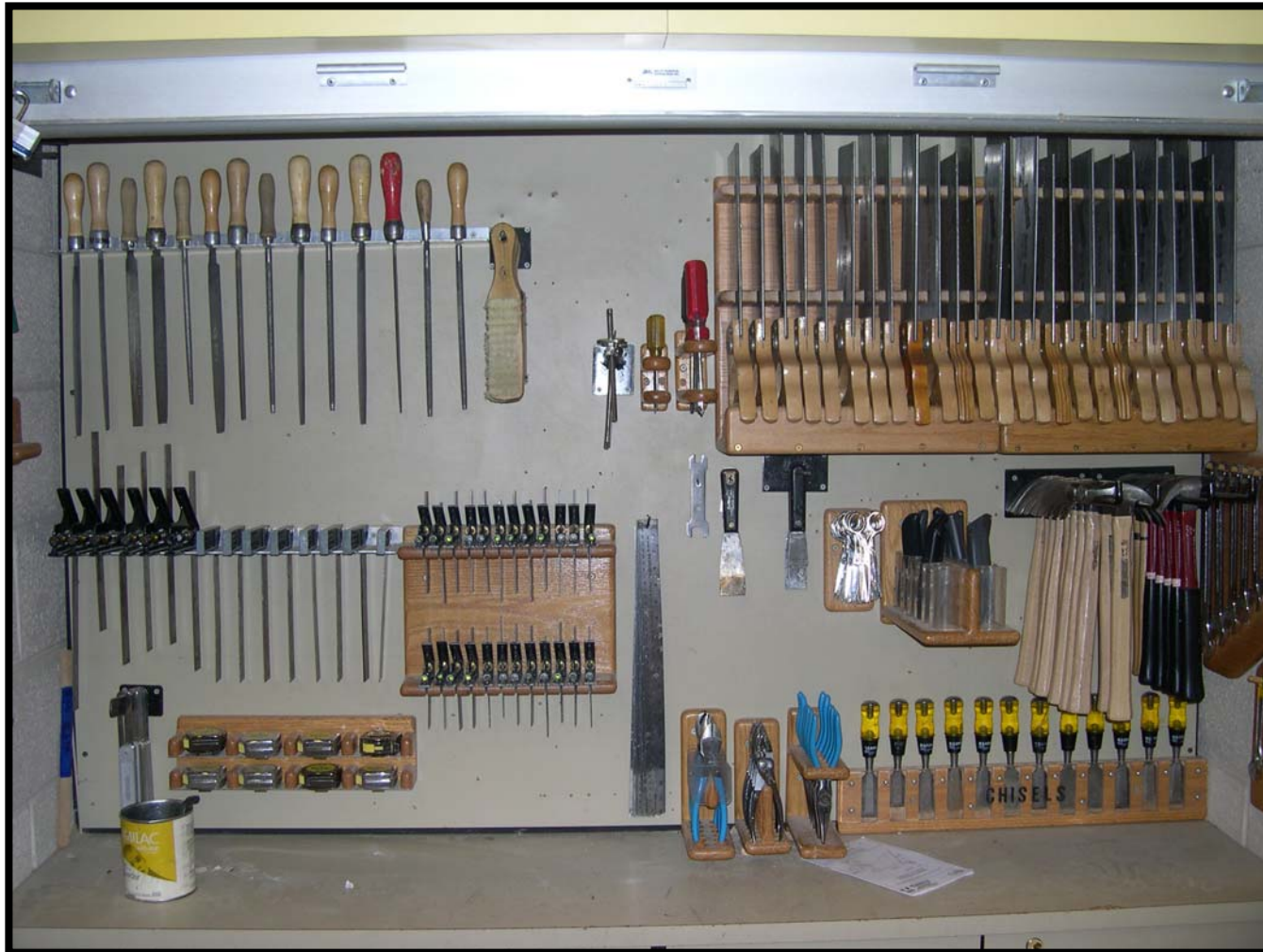


Narrow pieces may require a third feather-board.



In Conclusion:

A craftsman takes care of his tools.



Do you take care of the most valuable tools you possess?



Your Hands

**These tools cannot
be replaced !!!**



And your eyes